

IN THE CLAIMS

Please amend the claims as follows:

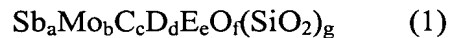
Claims 1-3 (Canceled).

Claim 4 (New): A catalyst comprising a particle comprising silica and a composite oxide comprising molybdenum,

wherein the catalyst comprises a bulk composition and a surface composition,

wherein the Mo/Si atomic ratio in the bulk composition of the catalyst, expressed as A, and the Mo/Si atomic ratio in the surface composition of the catalyst, expressed as B, have a relationship such that B/A is not greater than 0.6,

wherein the bulk composition of the catalyst is expressed by the formula 1:



wherein, Sb, Mo, and O are antimony, molybdenum, and oxygen, respectively;

wherein C is at least one element selected from the group consisting of iron, cobalt, nickel, manganese, uranium, cerium, tin and copper;

wherein D is at least one element selected from the group consisting of vanadium and tungsten;

wherein E is at least one element selected from the group consisting of magnesium, calcium strontium, barium, lanthanum, titanium, zirconium, niobium, tantalum, chromium, rhenium, ruthenium, osmium, rhodium, iridium, palladium, platinum, silver, zinc, cadmium, boron, aluminum, gallium indium, sodium, potassium, rubidium, cesium, thallium, germanium, lead, phosphorus, arsenic, bismuth, selenium, and tellurium;

wherein SiO₂ is silica;

wherein the subscripts a, b, c, d, e, f and g each represent an atomic ratio of each element;

wherein a is 10, b ranges from 0.1 to 15, c ranges from 1 to 20, d ranges from 0 to 10, e ranges from 0 to 20, g ranges from 10 to 200 and f is the atomic ratio of oxygen that fulfills the requirement of the valence of each element above.

Claim 5 (New): A catalyst comprising a particle comprising silica and a composite oxide comprising at least molybdenum,

wherein the catalyst comprises a bulk composition and a surface composition,

wherein the Mo/Si atomic ratio in the bulk composition of the catalyst, expressed as A, and the Mo/Si atomic ratio in the surface composition of the catalyst, expressed as B, have a relationship such that B/A is not greater than 0.6,

wherein the bulk composition of the catalyst is expressed by the formula 2:



wherein Mo, Bi, Fe and O are molybdenum, bismuth, iron and oxygen, respectively;

wherein F is at least one element selected from the group consisting of sodium, potassium, rubidium, cesium, and thallium;

wherein G is at least one element selected from the group consisting of cobalt, nickel, copper, zinc, magnesium, calcium, strontium, barium, titanium, vanadium, chromium, manganese, tungsten, silver, aluminum, phosphorus, boron, tin, lead, gallium, germanium, arsenic, antimony, niobium, tantalum, zirconium, indium, sulfur, selenium, tellurium, lanthanum, cerium, praseodymium, neodymium, samarium, europium, gadolinium, terbium, holmium, erbium, thulium and ytterbium;
wherein SiO_2 is silica;

wherein the subscripts h, i, j, k, l, m and n each represent an atomic ratio of each element; and

wherein when h is 12, i ranges from 0.1 to 5, j ranges from 0.1 to 10, k ranges from 0.01 to 3, l ranges from 0 to 20, n ranges from 10 to 200, and m is the atomic ratio of oxygen that fulfills the requirement of the valence of each element above.